Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Friday 21 Jan 2022 until 23:59 on Saturday 22 Jan 2022

Forecast Issued on Thursday 20 Jan 2022 at 10:14

Confidence: High for a lot of dry but rather cloudy conditions. Lower confidence for exact cloud amounts and heights.

Headline for Friday 21 Jan 2022: Mainly dry and cloudy. Feeling very cold. Breezy.

Mountain weather hazards on Friday 21 Jan 2022

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
			FOG	FOG			
Partly cloudy (night)	Partly cloudy (night)	Cloudy	Fog	Fog	Cloudy	Cloudy	Cloudy
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Friday 21 Jan 2022

Weather: Clear spells and widespread frost in early hours then cloud increasing by dawn. A largely cloudy day with fleeting bright or sunny intervals, hills east of Helvellyn and Ambleside most favoured for these. Mostly cloudy evening but patchy frost developing under any clear spells.

Chance of cloud free mountain/hill tops above 800m: 90% in early hours becoming 40% during morning as cloud affects higher summits. Eastern fells most favoured.

Visibility: Generally very good away from any low cloud. This low cloud will affect summits giving some periods of fog, mainly above 700m.

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Forecast for Friday 21 Jan 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	15/18 W	19/23 W	18/22 W	17/22 W	17/22 W	18/23 W	17/22 W	17/22 W	17/23 W
600	11/16 W	14/21 W	14/22 W	13/20 W	15/21 W	16/22 W	15/21 W	14/20 W	15/22 W
300	5/14 NW	5/16 NW	5/16 NW	6/15 NW	9/18 W	9/19 W	8/18 W	7/17 W	8/18 W
Valley	3/8 NW	4/13 W	4/14 W	6/14 W	9/17 W	9/18 W	8/17 W	8/16 W	9/19 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-8	-2/-8	-1/-8	-1/-7	-0/-6	-1/-7	-1/-7	-1/-7	-1/-7
600	-1/-6	-0/-6	0/-5	1/-4	2/-3	2/-4	1/-4	1/-4	1/-4
300	1/-2	1/-2	2/-0	2/0	4/1	4/1	3/0	3/0	3/0
Valley	3/2	4/2	4/3	5/3	6/4	6/4	6/3	6/3	6/3
Freezing Level*	500m	700m	800m	800m	900m	900m	800m	900m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling very cold on the tops, especially in exposure to the stronger breeze and up in the cloud where dampness will increase cooling effects.

Forecast for Saturday 22 Jan 2022

Weather: Largely cloudy but the odd fleeting bright interval is possible, mainly in the east. A little light rain or drizzle, falling as snow above 900m, but this amounting to very little with mostly dry conditions through the day. Feeling cold on the tops.

Maximum wind: Westerly 15-20mph, gusts 25mph.

Chance of cloud free mountain/hill tops above 800m: 30%. Best chance in east.

Visibility: Periods of cloud and fog above 500 or 600m, mainly across western fells with higher bases in the east. Away from cloud, mainly good but reducing to a few km at times in rain or drizzle.

Temperature: **Valleys:** Plus 3 rising to 7 or 8 Celsius.
At 800m: Plus 2 Celsius.
Freezing level: 900m, rising above summits.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 20 January 2022. Location: Helvellyn Summit 1210. Full report: High pressure still holds sway over the Lake District with a hard frost down to valley levels overnight and most terrain remaining frozen throughout the day despite the sunshine. The vast majority of the fells are now clear of snow up to summit level especially on south and west facing slopes. However crampons/microspikes and an ice axe are still strongly recommended for anyone venturing onto or above steep or exposed terrain, as the remaining snowpack has refrozen and is hard and icy. Any slip not quickly arrested may have very serious consequences due in part to the amount of exposed rock. The old snow / neve is generally to be found on steep north through east aspects above 700m. Where the snow has been compressed by walkers feet it is now hard and icy creating an obvious hazard on many paths. Striding and Swirral Edge can be climbed almost entirely on rock with careful route choice, however, both have steep banks of unavoidable hard & icy snow guarding their exits and many of the 'easier' routes on the flanks are also still snow bound. For this reason an ice axe and crampons / microspikes are still recommended for these and similar routes even though the affected sections are generally only short. The Helvellyn plateau was clear of snow but small cornices still exist above easterly aspects which should be given a wide berth. With a summit temperature of nearly -12 degrees C full winter clothing (warm and waterproof) including spare warm layers, hats and gloves, and equipment including a headtorch, map, and compass are all essential plus an ice axe & crampons/microspikes if your planned route could potentially take you onto snow or steep and exposed terrain. Temperature minus 3.4degC. Maximum wind speed 16.5mph. Wind chill minus 11.8 degC. Average wind speed 12.8 mph.

Issued at: 1014 on Thu 20 Jan 2022

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